(19) World Intellectual Property Organization International Bureau





(43) International Publication Date 18 September 2003 (18.09.2003)

PCT

(10) International Publication Number WO 03/076218 A1

(51) International Patent Classification7:

B60G 7/00

(21) International Application Number: PCT/NO03/00082

(22) International Filing Date: 10 March 2003 (10.03.2003)

(25) Filing Language:

Norwegian

(26) Publication Language:

English

(30) Priority Data:

20021215

12 March 2002 (12.03.2002) NO

(71) Applicant (for all designated States except US): KONGS-BERG AUTOMOTIVE ASA [NO/NO]; P.O. Box 62, N-3602 Kongsberg (NO).

(72) Inventor; and

(75) Inventor/Applicant (for US only): BJØRKGÅRD, Sven [NO/NO]; Rådmann Friis vei 41, N-3610 Kongsberg (NO).

(74) Agents: SÆTVEDT, Geirr et al.; Onsagers AS, P.O. Box 6963 St. Olavs plass, N-0130 Oslo (NO).

(81) Designated States (national): AE, AG, AL, AM, AT (utility model), AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ (utility model), CZ, DE (utility model), DE, DK (utility model), DK, DM, DZ, EC, EE (utility model), EE, ES, FI (utility model), FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK (utility model), SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declaration under Rule 4.17:

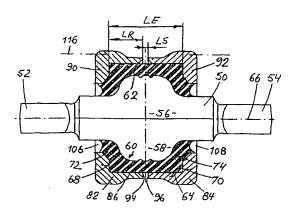
of inventorship (Rule 4.17(iv)) for US only

Published:

with international search report

[Continued on next page]

(54) Title: COUPLING



(57) Abstract: A coupling for resilient interconnection of two objects, especially a wheel axle housing and a chassis of a vehicle. The coupling comprises an elongated supporting piece (50), which extends in a longitudinal direction and has two end attachment portions (52, 54) and a central portion (56). The coupling also comprises an elastic element (60), which is arranged round the central portion (56) and has an approximately cylindrical outer surface (64) and two end surfaces (68, 70). The coupling further comprises a first and a second abutment member (82, 84), where the first abutment member (82) has a bottom (90) and a tubular portion (86), which is fixed to the bottom (90) and has an open end portion and a cylindrical inner surface (98). The bottom has a trough-going hole (106) through which one end attachment portion (52) can extend. The second abutment member (84) has a hole (108) through which the second end attachment portion (54) can extend. The abutment members (82, 84) are arranged to be interconnected in order to enclose the element. According to the invention the second abutment member (84) is designed in a similar manner to the first abutment member (82), end surfaces (94, 96) of the open end portions being arranged to abut against each other.

076218